

Iowa Crops & Weather



Iowa Agricultural Statistics
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Precipitation Welcomed Across Iowa

The first half of last week encouraged fieldwork progress while the second half hosted rain instead of farm machinery in the fields. Before the rains arrived late last week, fieldwork included oat seeding and application of fertilizer and preplant herbicides. Some areas continued to delay corn planting until soil temperatures increased. During the past week, pasture conditions improved as aboveground growth of cool season grasses was visible.

Recent precipitation had a beneficial effect on topsoil moisture condition. **Topsoil moisture** ratings were 5 percent very short, 21 percent short, 70 percent adequate, and 4 percent surplus across Iowa. **Subsoil moisture** ratings were 14 percent very short, 33 percent short, 51 percent adequate, and 2 percent surplus.

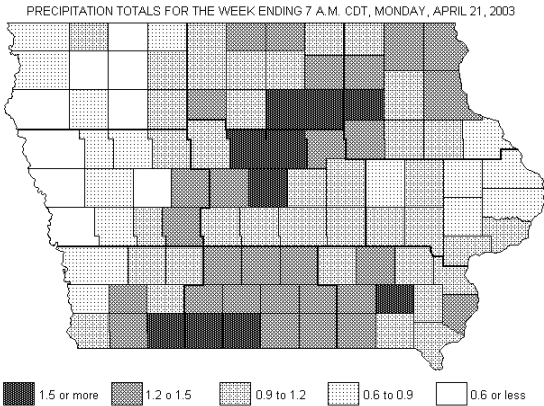
There were 3.2 **days suitable for fieldwork**, compared to 2.0 days last week and 5.1 days last year at this time. **Oat seedings** were 78 percent complete, compared to 50 percent last week but behind last year's progress of 88 percent complete. **Oat emergence** was at 19 percent, compared to 30 percent last year at this time. **Corn planting** was in its early stages and was 3 percent complete, compared to 10 percent last year at this time. **Primary seedbed preparations** were 54 percent complete, while **fertilizer applications** were 70 percent complete. **Range and pasture** conditions rated 5 percent very poor, 20 percent poor, 44 percent fair, 28 percent good, and 3 percent excellent.

Iowa Weather Summary

The past work week began with summerlike temperatures as readings reached into the 80's statewide on Monday (14th) and Tuesday (15th) with even a few 90's on Monday, including a 93 degree reading at Glenwood. Much cooler air began to move through the state on Wednesday (16th) with daytime highs in the 40's and 50's prevailing on Thursday (17th), Friday (18th) and Sunday (20th). Eastern Iowa, however, briefly saw warmer air on Saturday (19th) with afternoon temperatures in the 60's to lower 70's. The week's lowest temperatures were reported from Waukon on Thursday morning with 32 degrees while Sibley had a 33 degree minimum on Friday morning. Temperatures for the week as a whole averaged from 5.6 degrees above normal at Des Moines, Omaha-Council Bluffs, and Sioux City up to 8.6 degrees above normal at Waterloo.

Dry weather prevailed Monday (14th) while a few light thundershowers were scattered across Iowa on Tuesday (15th). Thunderstorms were widespread on Wednesday (16th) although rainfall amounts were mostly under one-half inch. Mostly dry weather returned briefly on Thursday (17th). Showers and thunderstorms affected all of Iowa on Friday (18th) and Saturday (19th) with a little light rain lingering in eastern Iowa on Sunday (20th). Weekly rainfall totals varied from 0.37 inch at Sioux City up to 2.07 inches at Jewell (Hamilton County) and 2.19 inches at Popejoy (Franklin County). The statewide average precipitation was 1.09 inches while normal for the week is 0.76 inches.

| Statewide Crop Conditions as of April 20, 2003 | | | | | |
|--|-----------|---------|---------|---------|-----------|
| Item | Very Poor | Poor | Fair | Good | Excellent |
| | Percent | Percent | Percent | Percent | Percent |
| Range & Pasture | 5 | 20 | 44 | 28 | 3 |



| Field Work and Crop Progress as of April 20, 2003 | | | | | | | | | | | | | |
|--|-----------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-----------|-----------|--------|
| Item | Districts | | | | | | | | | State | Last Week | Last Year | Normal |
| | NW | NC | NE | WC | C | EC | SW | SC | SE | | | | |
| | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | | | | |
| Fertilizer application completed (including fall work) | 57 | 63 | 63 | 77 | 74 | 70 | 81 | 85 | 78 | 70 | 59 | 77 | 68 |
| Seedbed, primary preparation completed (including fall work) | 43 | 53 | 46 | 54 | 53 | 47 | 69 | 62 | 77 | 54 | 38 | 68 | 66 |
| Corn planted | 2 | 1 | 1 | 2 | 3 | 1 | 7 | 9 | 9 | 3 | 0 | 10 | 4 |
| Oats planted | 59 | 66 | 71 | 86 | 92 | 72 | 94 | 89 | 86 | 78 | 50 | 88 | 63 |
| Oats emerged | 11 | 12 | 5 | 20 | 18 | 22 | 46 | 34 | 19 | 19 | 2 | 30 | 21 |

| Days Suitable & Soil Moisture Condition as of April 20, 2003 | | | | | | | | | | | | |
|--|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|-----------|
| Item | Districts | | | | | | | | | State | Last Week | Last Year |
| | NW | NC | NE | WC | C | EC | SW | SC | SE | | | |
| | Days | Days | Days | Days | Days | Days | Days | Days | Days | | | |
| Days suitable | 2.3 | 2.0 | 3.4 | 3.6 | 3.1 | 4.2 | 3.5 | 4.3 | 3.6 | 3.2 | 2.0 | 5.1 |
| | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent | Percent |
| Topsoil moisture | | | | | | | | | | | | |
| Very short | 2 | 3 | 3 | 0 | 10 | 0 | 3 | 10 | 12 | 5 | 8 | 6 |
| Short | 5 | 21 | 18 | 9 | 25 | 19 | 27 | 30 | 41 | 21 | 29 | 24 |
| Adequate | 84 | 63 | 75 | 86 | 63 | 81 | 68 | 59 | 47 | 70 | 58 | 67 |
| Surplus | 9 | 13 | 4 | 5 | 2 | 0 | 2 | 1 | 0 | 4 | 5 | 3 |
| Subsoil moisture | | | | | | | | | | | | |
| Very short | 6 | 4 | 10 | 8 | 18 | 19 | 16 | 33 | 21 | 14 | 16 | 12 |
| Short | 18 | 31 | 28 | 35 | 30 | 24 | 48 | 43 | 52 | 33 | 34 | 35 |
| Adequate | 73 | 56 | 59 | 54 | 51 | 57 | 35 | 24 | 27 | 51 | 48 | 51 |
| Surplus | 3 | 9 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 2 | 2 | 2 |

| Weather Summary For Iowa Agricultural Statistics Service Prepared by AWIS, Inc. For the week ending: Sunday, April 20, 2003 | | | | | | | | | | |
|---|--------------|----|-----|-----|---------------|---------------|---------------|--------------|--------------|-----|
| STATION | CURRENT WEEK | | | | | SINCE APRIL 1 | | CURRENT WEEK | | |
| | TEMPERATURE | | | | PRECIPITATION | | PRECIPITATION | | GDD BASE 50F | |
| | HI | LO | AVG | DFN | TOTAL | DFN | TOTAL | DFN | TOTAL | DFN |
| North West District | | | | | | | | | | |
| Estherville | 88 | 35 | 56 | 11 | 0.55 | -0.13 | 0.75 | -1.06 | 61 | 51 |
| Sioux Center | 86 | 36 | 57 | 8 | 0.68 | 0.12 | 1.57 | -0.01 | 68 | 46 |
| Spencer | 87 | 37 | 58 | 11 | 0.46 | -0.17 | 1.58 | -0.13 | 68 | 53 |
| Spirit Lake | 86 | 35 | 54 | 9 | 0.37 | -0.19 | 0.81 | -0.76 | 55 | 31 |
| North Central District | | | | | | | | | | |
| Britt | 87 | 34 | 54 | 7 | 1.08 | 0.36 | 1.50 | -0.42 | 53 | 36 |
| Humboldt | 89 | 36 | 56 | 7 | 1.20 | 0.49 | 2.28 | 0.34 | 58 | 43 |
| Mason City | 89 | 34 | 56 | 9 | 1.01 | 0.31 | 1.41 | -0.46 | 60 | 46 |
| Northwood | 88 | 34 | 52 | 7 | 1.17 | 0.47 | 2.24 | 0.33 | 48 | 38 |
| North East District | | | | | | | | | | |
| Decorah | 89 | 34 | 57 | 9 | 1.37 | 0.53 | 1.97 | -0.24 | 67 | 50 |
| Dubuque | 85 | 36 | 57 | 9 | 0.80 | -0.08 | 1.20 | -1.22 | 59 | 42 |
| Elkader | 87 | 35 | 55 | 7 | 1.87 | 1.10 | 2.59 | 0.55 | 53 | 23 |
| Independence | 87 | 36 | 55 | 8 | 0.76 | -0.06 | 1.21 | -0.94 | 48 | 16 |
| Waterloo | 90 | 38 | 59 | 11 | 1.43 | 0.66 | 1.99 | -0.11 | 70 | 51 |
| West Central District | | | | | | | | | | |
| Audubon | 88 | 40 | 57 | 6 | 1.13 | 0.36 | 1.73 | -0.33 | 64 | 36 |
| Carroll | 89 | 38 | 57 | 9 | 0.51 | -0.27 | 1.77 | -0.33 | 65 | 46 |
| Castana | 85 | 38 | 56 | 6 | 0.40 | -0.23 | 0.81 | -0.91 | 62 | 44 |
| Guthrie Center | 88 | 40 | 58 | 8 | 1.27 | 0.50 | 1.77 | -0.33 | 65 | 42 |
| Harlan | 89 | 41 | 58 | 7 | 0.85 | 0.12 | 1.66 | -0.29 | 65 | 43 |
| Jefferson | 88 | 39 | 56 | 8 | 1.20 | 0.42 | 2.35 | 0.25 | 60 | 41 |
| Logan | 89 | 39 | 59 | 8 | 0.49 | -0.19 | 1.83 | 0.03 | 69 | 41 |
| Rockwell City | 88 | 37 | 56 | 6 | 1.16 | 0.50 | 1.90 | 0.14 | 58 | 35 |
| Sioux City | 89 | 38 | 60 | 9 | 0.37 | -0.18 | 1.43 | -0.03 | 76 | 51 |
| Central District | | | | | | | | | | |
| Ames | 88 | 39 | 58 | 11 | 1.45 | 0.66 | 1.92 | -0.19 | 65 | 49 |
| Boone | 88 | 38 | 57 | 8 | 1.46 | 0.67 | 2.87 | 0.74 | 62 | 41 |
| Des Moines | 87 | 41 | 60 | 9 | 1.25 | 0.44 | 1.85 | -0.35 | 74 | 46 |
| Eldora | 87 | 37 | 55 | 8 | 1.30 | 0.55 | 2.29 | 0.30 | 50 | 34 |
| Marshalltown | 88 | 38 | 59 | 10 | 0.66 | -0.11 | 0.84 | -1.24 | 68 | 49 |
| Newton | 88 | 38 | 56 | 6 | 1.06 | 0.29 | 1.26 | -0.80 | 56 | 33 |
| Perry | 87 | 39 | 57 | 9 | 1.08 | 0.33 | 2.09 | 0.10 | 61 | 42 |
| Toledo | 87 | 37 | 55 | 7 | 0.97 | 0.20 | 1.35 | -0.70 | 50 | 33 |
| East Central District | | | | | | | | | | |
| Cedar Rapids | 88 | 39 | 61 | 12 | 0.92 | 0.15 | 1.27 | -0.82 | 77 | 56 |
| Davenport | 86 | 39 | 61 | 10 | 1.16 | 0.39 | 1.65 | -0.49 | 79 | 55 |
| Iowa City | 87 | 40 | 61 | 9 | 1.10 | 0.21 | 1.61 | -0.78 | 82 | 51 |
| Lowden | 87 | 31 | 58 | 9 | 0.61 | -0.30 | 1.27 | -1.18 | 62 | 39 |
| Maquoketa | 86 | 29 | 56 | 7 | 0.58 | -0.19 | 1.21 | -0.90 | 51 | 33 |
| Muscatine | 85 | 37 | 59 | 7 | 1.12 | 0.28 | 1.65 | -0.65 | 68 | 52 |
| South West District | | | | | | | | | | |
| Clarinda | 90 | 41 | 59 | 9 | 1.59 | 0.79 | 2.38 | 0.24 | 70 | 47 |
| Glenwood | 93 | 40 | 60 | 9 | 0.96 | 0.28 | 2.19 | 0.40 | 76 | 46 |
| Oakland | 89 | 41 | 58 | 9 | 0.85 | 0.15 | 2.05 | 0.15 | 68 | 49 |
| Red Oak | 90 | 43 | 60 | 8 | 0.64 | -0.20 | 1.60 | -0.62 | 74 | 42 |
| Sidney | 90 | 40 | 58 | 7 | 0.90 | 0.16 | 1.70 | -0.30 | 69 | 40 |
| South Central District | | | | | | | | | | |
| Allerton | 83 | 40 | 57 | 7 | 1.55 | 0.77 | 2.83 | 0.70 | 56 | 46 |
| Beaconsfield | 85 | 40 | 58 | 8 | 1.43 | 0.66 | 2.38 | 0.27 | 56 | 33 |
| Chariton | 85 | 41 | 59 | 9 | 1.37 | 0.53 | 1.99 | -0.30 | 62 | 39 |
| Indianola | 86 | 40 | 58 | 7 | 1.18 | 0.33 | 2.18 | -0.10 | 61 | 36 |
| Leon | 85 | 42 | 59 | 9 | 1.52 | 0.68 | 2.52 | 0.29 | 63 | 40 |
| South East District | | | | | | | | | | |
| Bloomfield | 85 | 41 | 60 | 7 | 1.52 | 0.68 | 2.85 | 0.59 | 68 | 35 |
| Burlington | 86 | 43 | 62 | 10 | 1.27 | 0.43 | 2.12 | -0.17 | 88 | 57 |
| Ottumwa | 88 | 40 | 61 | 10 | 1.46 | 0.69 | 2.07 | -0.03 | 86 | 56 |

Precipitation (rain, melted snow or ice) in inches. Precipitation Days = Days with precipitation of 0.01 inch or more. Air Temperatures in Degrees Fahrenheit. Copyright 2003: AWIS, Inc. All Rights Reserved.